

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows. No new matter has been added.

Please amend the paragraph at page 2, lines 9-17 as follows.

(Currently Amended) Under these circumstances, efforts have been made in search for an enzyme which covers the shortcomings of both GOD and GDH. As disclosed in the International Disclosure WO02/36779[[,]] Hayade to Sode separated a new strain (*Burkholderia cepacia* KS1) from soil near a hot spring, and obtained a new GDH from the strain. This GDH included α , β , γ subunits (hereinafter called “CyGDH”), had a high rate of reaction with electron transfer materials, and sufficient thermal stability, and so was suitable for use in glucose sensors.

Please amend the paragraph at page 5, lines 15-24 as follows.

(Currently Amended) There is no specific limitation to the microorganism of the genus *Burkholderia* which is used in the present invention, as long as the microorganism is capable of producing the target enzyme. Preferably, however, *Burkholderia cepacia*, and *Burkholderia cepacia* KS1 strain (hereinafter simply called “KS1 strain”) in particular, is preferred. KS1 strain was deposited as FERM BP-7306, on September 25th, 2000, with the International PatentOrganismDepository (IPOD), ~~National Institute of Advanced Industrial Science and Technology (AIST) (Tsukuba Central 6, 1-1-1 Higashi, Tsukuba, Ibaraki, Japan 305-8566)~~ National Institute of Bioscience and Human-Technology (1-3, Higashi 1 chome Tsukuba-shi Ibaraki-ken 305-8566, Japan).

Please amend the paragraph at page 6, lines 10-18 as follows.

(Currently Amended) Sode Hayade has confirmed that higher enzyme activity is achieved by a combination of γ subunit and α subunit than by α subunit only. Therefore, in view of enzyme activity, it is preferable to manifest γ subunit, and when engineering the DNA, γ subunit structural gene should preferably be included in an upstream region of α subunit. Then, when the transformant produces α subunit, γ subunit which has been manifested already and existing as a protein will promote efficient production of α subunit in the microorganism.